

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 28, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approximately 0.69" of rain fell over 7/23-24 and 2.12" fell over 7/27-28 in a large rain event.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible but slightly muddy following the rain. 7/28/04 - New Canaan Avenue is still free of tracked sediment from the Norwalk site. 7/28/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 7/28/04 - None at this time. Continue to monitor. 7/28/04
Foundation construction	<ul style="list-style-type: none"> - Work on the control house is ongoing. 7/28/04 - Work continues on excavations for footings for future structures as well as placement of retaining wall #3. 7/28/04 - The fill operation in the center of the site is nearly complete with elevations reaching the parapets on the retaining walls. 7/15-7/28/04 	<ul style="list-style-type: none"> - The areas are well contained at this time. 7/28/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	<ul style="list-style-type: none"> - The silt fence remains in good shape 7/28/04 	<ul style="list-style-type: none"> - Continue to be proactive in silt fence repair and maintenance.

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls cont'd	- The concrete washout station continues to be used appropriately and will be removed when concrete work is complete. 7/15-7/28/04	- The main objective is to keep all washout water from resource areas and storm drains.
	- The topsoil stockpile remains well contained along the retaining wall and fill activities continue to the east of wall #2. 6/30-7/28/04	- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-7/28/04
	-The overflow channel is now complete and has been connected at both ends to the Norwalk river and blended into the topography. 7/28/04 - The sheet piling has been removed now that the channel is complete. 7/28/04 - The meandering channel held some water at the time of inspection due to the rains. 7/28/04	- No sedimentation or erosion was noted at the river even with increased water levels following the storm. 7/28/04 - The sheet piling was removed in dry conditions even though the area is now flooded. The channel is working appropriately 7/28/04
	- All areas along the channel, including those near where the sheet piling was located, have been seeded and mulched. 7/28/04	- Continue to monitor for vegetative growth and stabilization. 7/28/04
	-Some grass seed was recently placed on the small bare spot in the vegetation below wall #5. Some mulch and watering may be necessary to get growth to occur. 7/15-7/28/04	-Continue to monitor for sufficient vegetative growth and future stabilization. This spot could lead to a gully under the right conditions as it is in a fairly steep grade. 7/15-7/28/04
Inland Wetland and Watercourse encroachment and mitigation	- The silt fence is still well in place along the river. 7/28/04 - The overflow channel has been completed and is now working appropriately. 7/28/04. - The area is well under control with soil and straw mulch on the disturbed areas	- Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. - The channel is now blended into the river well and was holding some water during the higher water levels following the rains. 7/28/04

Areas of Inspection	Observation	Recommended Action
	on all sides of the channel. 7/28/04	
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- One area along the slope below wall #5 was sparse and was seeded. 7/15-7/28/04 - Bare areas near the channel have been seeded and mulched now that the sheet piling has been removed. 7/28/04	- The old scour area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-7/28/04 - The area could be watered to ensure grass coverage and to prevent future erosion. 7/28/04
Dewatering	- Dewatering activities are complete at this time.	- No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.
Spills	- There were no spills reported during the week. A few small drip areas were noted under machinery during the inspection. The soil was removed and disposed of properly. 7/28/04	- The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.

Areas of Inspection	Observation	Recommended Action
Additional Observations		

Next likely scheduled inspection:

Friday August 6, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

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Date: July 28, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

Storm/

Rain Event Approximately 0.69" of rain fell over 7/23-24 and 2.12" fell over 7/27-28 in a large rain event.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 7/28/04	- None at this time. 7/28/04
Foundation construction	<p>- Several small excavations have been started in the yard for footings for future structures. However, the rain caused washouts and sedimentation into the trenches. 7/28/04</p> <p>- Several small stockpiles of excavate are on site as a result 7/22-7/28/04</p>	- The areas are well contained at this time. 7/28/04

Areas of Inspection	Observation	Recommended Action
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p>	<p>- There is no silt fence in place at this time. If any stockpiles are going to be placed near the yard's outer chainlink fence, they should be surrounded by silt fence or haybales or covered in plastic. 7/28/04</p> <p>- The existing small stockpiles have been sufficiently covered with plastic and are located well away from any sensitive areas. The rains did not cause any erosion to the stockpiles themselves. 7/28/04</p>	<p>- The excavations did experience some washouts on their slopes but the sedimentation was well contained within the holes themselves. 7/28/04</p> <p>- Continue to be proactive in silt fence placement and maintenance.</p>
<p>Inland Wetland and Watercourse encroachment and mitigation</p>	<p>- Wetlands are located around the outskirts of the substation yard but no work is in their vicinity at this time. 7/28/04</p>	<p>- None at this time.</p>
<p>State species of concern, threatened and endangered species</p>	<p>- No species of concern are located in this area of construction.</p>	<p>- N/A</p>
<p>Vegetative clearing limits (including trees to save or danger trees noted)</p>	<p>- No vegetation outside of the substation yard will need to be cleared during the expansion work.</p>	<p>- N/A</p>
<p>Dewatering</p>	<p>- Dewatering activities have been occurring in order to remove standing water from the excavations. 7/28/04</p> <p>- The water is being directed to a flat area within the yard and is not reaching any wetland areas at this time. 7/28/04</p>	<p>- The hose will be pulled back slightly to provide more clearance room to the resource areas. If the volume of water increases, the flow should be filtered through a bag or haybales to reduce the chance of reaching off site. 7/28/04</p>
<p>Blasting</p>	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>
	<p>- There were no spills</p>	<p>- The contractors should</p>

Areas of Inspection	Observation	Recommended Action
Spills	reported during the week or noted on site during the inspection. There are very few pieces of machinery on site at this time. 7/28/04	<p>remain vigilant about securing and handling fuel containers.</p> <p>- Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis.</p> <p>- Report spills to the office immediately, even if they are being controlled.</p>
Additional Observations	<p>- Results from soil samples are still pending and will be provided to BSC. One of the excavations is showing a sheen that appears to be natural and related to organic decomposition (not due to a petroleum product) and streaking that appears to be due to iron deposits in the soil. 7/28/04</p>	

Next likely scheduled inspection:

Friday August 5, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



View of the connection to the Norwalk river at the southern end of the overflow channel. The water level was fairly high at the time of inspection due to recent heavy rains. 7/28/04



The overflow channel has been completed and the meandering channel held standing water during the inspection following the rains. 7/28/04



View of excavations for foundations and footings for structures including future placement of wall #3. 7/28/04



View of the area where the sheet piling had been removed. Although the area has flooded, all work was able to be completed in dry conditions. The area has been seeded and mulched 7/28/04



View of the northern end of the overflow channel connecting to the Norwalk river. The area has flooded following the rains but the channel was working well. 7/28/04



View of the topsoil stockpile well contained within the retaining wall. 7/28/04



View of one of the excavations at Plumtree. The rains caused erosion and washouts back into the trench but did not affect other portions of the site. 7/28/04



The excavations are being dewatered as a result of the rains and groundwater level. The water is being directed to the yard and has not reached any adjacent wetland areas. The hose will be pulled back to provide even more clearance room to the resources. 7/28/04